

Title (en)

Material delivery tension and tracking system for use in solid imaging

Title (de)

Materialausgabespannung und Verfolgungssystem zur Verwendung in der Festkörperbildgebung

Title (fr)

Tension de livraison de matériau et système de suivi à utiliser pour l'imagerie uniforme

Publication

**EP 1852243 A3 20100609 (EN)**

Application

**EP 07251785 A 20070427**

Priority

US 41681206 A 20060503

Abstract (en)

[origin: EP1852243A2] A solid imaging apparatus and method employing a radiation transparent build material carrier and a build material dispensing system that accurately controls the thickness of the transferred layer of solidifiable liquid build material to the radiation transparent build material carrier to achieve high resolution imaging in three-dimensional objects built using an electro-optical radiation source.

IPC 8 full level

**B05C 5/02** (2006.01); **B29C 67/00** (2006.01); **B65G 23/44** (2006.01)

CPC (source: EP US)

**B29C 64/135** (2017.07 - EP US); **B33Y 30/00** (2014.12 - EP US); **B33Y 10/00** (2014.12 - EP US)

Citation (search report)

- [A] DE 19957370 A1 20010613 - FRUTH CARL JOHANNES [DE]
- [A] US 2005019499 A1 20050127 - TOMARU MIKIO [JP], et al
- [A] US 5186313 A 19930216 - DENKER STANLEY D [US], et al

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CN103328190A; US9751292B2; US9205599B2; WO2012060696A1; WO2011084578A1; US9034236B2; US10220565B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1852243 A2 20071107; EP 1852243 A3 20100609; EP 1852243 B1 20111019**; CN 101067720 A 20071107; CN 101067720 B 20121107; JP 2007296853 A 20071115; JP 4787204 B2 20111005; US 2007259066 A1 20071108; US 2009110763 A1 20090430; US 7467939 B2 20081223

DOCDB simple family (application)

**EP 07251785 A 20070427**; CN 200710101129 A 20070429; JP 2007122293 A 20070507; US 27392408 A 20081119; US 41681206 A 20060503